CLAIMS

WHAT IS CLAIMED IS:

- 1. An implant for insertion between vertebrae of a spinal column comprising:
 - a) at least two implant parts comprising:
 - i) a first implant part; and
- ii) a second implant part wherein said first and said second implant parts are axially adjustable relative to each other to change a length of the implant along a longitudinal axis of the implant; and
- b) a joining plate that can be releasably connected with a free end of at least one of said at least two implant parts in a substantially perpendicular alignment relative to said longitudinal axis of the implant, wherein the implant can be inserted between vertebrae of a spinal column as a substitute for disks, vertebrae or parts of vertebrae removed from a spinal column.

- 2. The implant as in claim 1, wherein said joining plate has a thickness that corresponds to between 2% and 30% of a height of at least one of said at least two implant parts.
- 3. The implant as in claim 1, wherein said joining plate projects beyond an outside contour of said implant.
- 4. The implant as in claim 1, further comprising a means for releasable attachment of said joining plate comprising an opening formed in said joining plate.
- 5. The implant as in claim 4, wherein a shape of said opening is adapted to an outside contour of said implant.
- 6. The implant as in claim 4, wherein said opening is positioned to be in a center of gravity of said joining plate.
- 7. The implant as in claim 4, wherein said opening is configured to lie outside of a center of gravity of said joining plate.

- 8. The implant as in claim 1, wherein a surface of said joining plate that faces a vertebrae is shaped as a convex dome.
- 9. The implant as in claim 1, wherein said joining plate has a means for attachment in duplicate and is attached to at least one of said at least two implant parts.
- 10. The implant as in claim 9, further comprising a catch seat wherein said means for attachment is formed by a plug-in connection formed between said joining plate and at least one of said at least two implant parts.
- 11. The implant as in claim 10, wherein said means for attachment is formed by a bayonet closure.
- 12. The implant as in claim 9, wherein said means for attachment comprises a groove formed in a free end of said at least one of said at least two implant part; and further comprising a spring mounted in a groove in an opening formed in said joining plate.
 - 13. The implant as in claim 12, further comprising a

plurality of mandrels or cutting blades coupled to a side of said joining plate that faces a vertebra.

- 14. The implant as in claim 3, wherein said joining plate is formed as a polygon.
- 15. The implant as in claim 3, wherein said joining plate is configured in a rounded manner.
- 16. The implant as in claim 3, wherein said joining plate is configured in a star-shaped manner.
- 17. The implant as in claim 3, wherein said joining plate has a passage opening.
- 18. The implant as in claim 17, wherein said joining plate has a plurality of passage openings.
- 19. The implant as in claim 18, wherein at least one of said plurality of passage openings extends to an outer edge of said joining plate.
 - 20. The implant as in claim 18, wherein said joining

plate has a plurality of plate ridges disposed around said plurality of passage openings on said joining plate.

- 21. The implant as in claim 20, wherein said plurality of plate ridges on said joining plate are coupled to each other at a free end of said plurality of plate ridges to form an edge of said joining plate.
- 22. The implant as in claim 21, further comprising a rotatable threaded ring coupled to said second implant part, and wherein said first implant part has threads which engage with a set of threads in said rotatable threaded ring, wherein said rotatable threaded ring has a bevel wheel gearing.
- 23. The implant as in claim 1, wherein said joining plate has a side that faces the vertebrae and is orientated at an incline to said longitudinal axis.
- 24. The implant as in claim 1, wherein said joining plate has a side that faces said at least two implant parts and is orientated at an incline to a longitudinal axis.

- 25. The implant as in claim 24, wherein an angle of said incline of said joining plate is between 3 degrees and 45 degrees.
- 26. The implant as in claim 23, wherein said joining plate has a rotational position that can be fixed in place about a longitudinal axis relative to said at least two implant parts.
- 27. The implant as in claim 26, further comprising a plurality of catch seats formed between said joining plate and said at least two implant parts in a circumferential direction, in step widths from between 10 degrees to 45 degrees.